



# Service Repair Manual

## **Models**

# 350 and 350L EXCAVATOR

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Product: EXCAVATOR

Model: 350 L EXCAVATOR 9DK

Configuration: 350 350L TRACK-TYPE EXCAVATORS 9DK00001-00300 (MACHINE) POWERED BY 3306 ENGINE

## Disassembly and Assembly 350 AND 350 L EXCAVATOR MACHINE SYSTEMS

Media Number -SEN6148-04

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SEN61480030

## Travel Motors

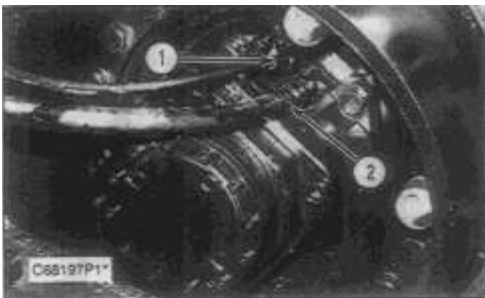
SMCS - 4351-010; 4351-017

## Remove & Install Travel Motors

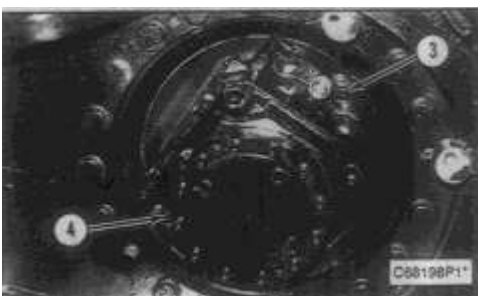
Tools Needed	A
5P-9736 Link Bracket	1

Start By:

a. remove travel brake valves

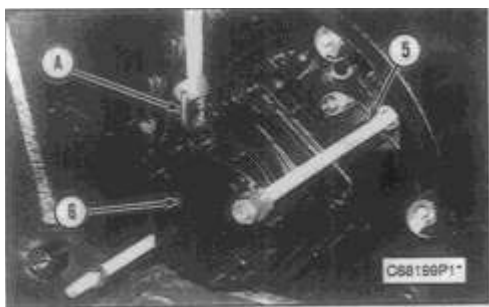


1. Disconnect hose assemblies (1) and (2) from the travel motor. Put plugs in the hose assemblies to prevent oil loss and to keep dirt and debris out of the hydraulic system.



**NOTE:** Four bolts hold the travel motor to the final drive.

2. Remove bolts (3) and (4).

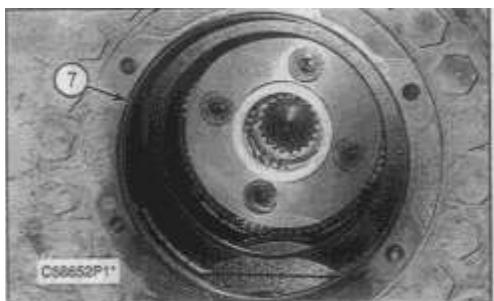


3. Fasten Tool (A), a lifting sling and a hoist to the travel motor as shown.

4. Install two **20 mm diameter** threaded rods (5) that are approximately **457 mm (18 in)** long in the bolt holes for bolts (3) and (4).

**NOTE:** It may be necessary to adjust the lifting sling and chain assembly used to remove the travel motor so the unit will be level at all times.

5. Remove the two remaining bolts that hold the travel motor in position. Slide travel motor (6) out on the threaded rods. Remove the travel motor from the machine. If necessary readjust the chain assembly and lifting sling to keep the unit level. The weight of the travel motor is **125 kg (275 lb)**.



6. Remove O-ring seal (7) from the final drive.

**NOTE:** The following steps are for the installation of the travel motor.

7. Check the condition of O-ring seal (7). If the seal is damaged, use new parts for replacement.

8. Install O-ring seal (7) in final drive. Lubricate the seal with clean hydraulic oil.

9. Fasten Tool (A), a lifting sling and a hoist to travel motor (6). Make sure the travel motor is level. Put the travel motor in position in the final drive.

10. Install two of the bolts that hold the travel motor in position. Remove the two threaded rods from the final drive, and install bolts (3) and (4).

11. Connect hose assemblies (1) and (2) to the travel motor.

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**NOTICE**

To prevent damage to the travel motor, the case must be filled with hydraulic oil to the fill port prior to operation.

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End By:

- a. install travel brake valves

## Disassemble & Assemble Travel Motors

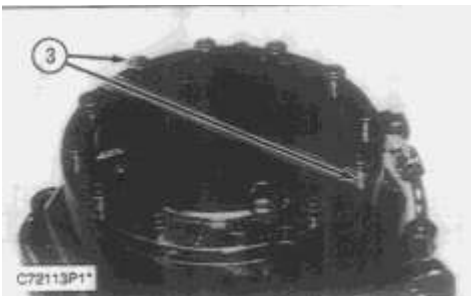
Tools Needed		A	B	C	D	E
1P-2420	Transmission Repair Stand	1				
1P-1859	Pliers		1			
1P-1863	Pliers			1		
5P-9736	Link Bracket				2	
1P-0510	Driver Group					1

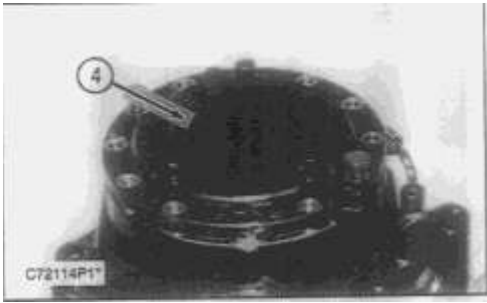
Start By:

- a. remove travel motors



1. Thoroughly clean the outside of the travel motor prior to disassembly. Fasten travel motor (1) to Tool (A). The weight of the travel motor is **125 kg (275 lb)**.
2. Put an alignment mark across all housings of the travel motor for assembly purposes.
3. Disconnect tube assembly (2).



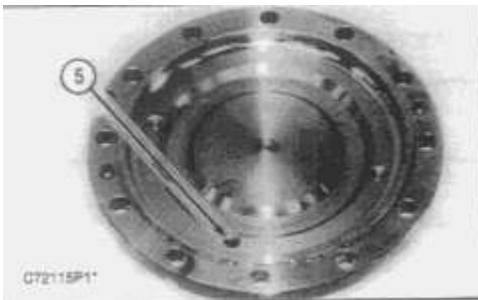


 **WARNING**

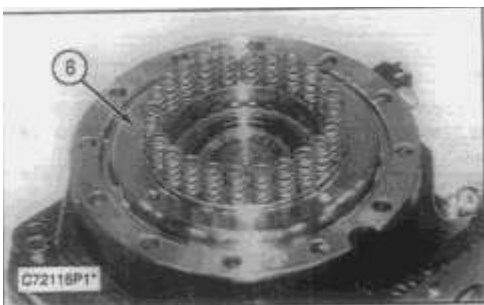
**There is spring force against brake cover (4). When 12 socket head bolts (3) are removed, the spring force will be released. To prevent possible personal injury, the brake cover must be retained during removal of socket head bolts (3).**

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4. Remove two socket head bolts (3) from the brake cover that are **180 degrees** apart. Replace these two bolts with bolts that are slightly longer in length. The two longer bolts will retain the brake cover when the remaining 10 socket head bolts (3) are removed.
5. Slowly and evenly remove the 10 remaining socket head bolts (3) that hold the brake cover in position. Remove the two longer bolts (3). Remove brake cover (4) from the brake assembly.



6. If necessary, remove brake adjusting screws (5) from the brake cover.



7. Remove brake assembly (6) from the head assembly.

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